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PTO/SB/05 (08-00) (modified)

Approved for use through 9/30/2001, OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

NEW UTILITY PATENT APPLICATION TRANSMITTAL <i>(only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket Number	21676-05107
	First Named Inventor	Ernest Seagraves
	Title	ENHANCED BITLOADING FOR MULTICARRIER COMMUNICATION CHANNEL
	Express Mail Label No.	EL550795537US

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
1. <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification Total Pages 37 <i>(preferred arrangement set forth below)</i> <input type="checkbox"/> Descriptive Title of the Invention <input type="checkbox"/> Cross Reference(s) to Related Case(s) <input type="checkbox"/> Statement Regarding Fed sponsored R & D <input type="checkbox"/> Background of the Invention <input type="checkbox"/> Brief Summary of the Invention <input type="checkbox"/> Brief Description of the Drawing(s) <input type="checkbox"/> Detailed Description <input type="checkbox"/> Claim or Claims <input type="checkbox"/> Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets 4 5. Oath or Declaration a. <input type="checkbox"/> New Declaration Total Pages <input type="checkbox"/> Executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 8. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 9. <input type="checkbox"/> Power of Attorney or Authorization of Agent 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement 11. <input type="checkbox"/> Preliminary Amendment 12. <input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Citation(s) 13. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent 14. <input checked="" type="checkbox"/> Return Postcard 15. <input type="checkbox"/> 16. <input type="checkbox"/> 17. <input type="checkbox"/>
ADDRESS TO: Box Patent Application Commissioner for Patents Washington, D.C. 20231	

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: ____/____

Prior application information: Examiner: _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number and Bar Code
Label



00758

Name (Print/Type)	Neil F. Madorex	Registration No. (Attorney/Agent)	42,833
Signature		Date	March 12, 2001

0002/PTO(modified)
Rev. 10/2000U.S. Department of Commerce
Patent and Trademark Office**FEE TRANSMITTAL****TOTAL AMOUNT OF PAYMENT**

Subtotal (1) + Subtotal (2) + Subtotal (3) =

(\$) PLEASE DEFER

Complete if Known

Application Number	NEW
Filing Date	HEREWITH
First Named Inventor	Ernest Seagraves
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	21676-05107

METHOD OF PAYMENT**1. The Commissioner is hereby authorized to:**

- ☐ Charge the indicated fees to the below mentioned deposit account.
- ☐ Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.[†]
- ☒ Applicant claims small entity status
See 37 CFR 1.27

Deposit Account Number:

Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

2. Payment Enclosed:☐ Check ☐ Credit Card ☐ Other**FEE CALCULATION (fees effective 10/01/2000)****1. FILING FEE**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$710	201/\$355	Utility Filing	355
106/\$320	206/\$160	Design Filing	
108/\$710	208/\$355	Reissue	
114/\$150	214/\$75	Provisional Filing	
SUBTOTAL (1)			(\$) 355

2. CLAIMS

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$80	202/\$40	Independent claims in excess of 3
104/\$270	204/\$135	Multiple dependent claim
109/\$80	209/\$40	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	
147/\$2,520	147/\$2,520	For filing a request for reexamination	
115/\$110	215/\$55	Extension for response within first month [†]	
116/\$390	216/\$195	Extension for response within second month [†]	
117/\$890	217/\$445	Extension for response within third month [†]	
118/\$1,390	218/\$695	Extension for response within fourth month [†]	
128/\$1,890	228/\$945	Extension for response within fifth month [†]	
119/\$310	219/\$155	Notice of Appeal	
141/\$1,240	241/\$620	Petition to revive unintentionally abandoned application	
142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)	
143/\$440	243/\$220	Design Issue Fee	
122/\$130	122/\$130	Petitions to the Commissioner	
126/\$180	126/\$180	Submission of Information Disclosure Statement	
179/\$710	279/\$355	Request for Continued Examination (RCE)	
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	
146/\$710	246/\$355	Filing a submission after final rejection (37 CFR 1.129(a))	
149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify):			
Other fee (specify):			
SUBTOTAL (3)			(\$) 0

(Col. 1)		(Col. 2)		(Col. 3)			
For	No. of Existing Claims	Highest No. Previously Paid For		Extra**	Fee	Fee Due	
TOTAL	31	20 or 0	=	11	x 9	=	99
INDEP	8	3 or 0	=	5	x 40	=	200
[] First presentation of multiple dependent claim							=

* Subtract the greater number of Col. 2

** If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

SUBTOTAL (2)

(\$) 299

SUBMITTED BY

Typed or Printed Name

Neil F. Malone

Signature

Complete (if applicable)

Reg. Number

42,833

Date

March

12

, 2001

[†] Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby